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FOREWORD

Though "Science Abstracts" has been in continuous publication for 59 years, no cumulative indexes covering more than one year have ever been published. The Committee of Management decided, soon after the close of the late war, that this omission should be rectified, but such has been the burden of keeping pace with the rising tide of scientific publication that resources have never been adequate until now for the execution of such a task, especially as none of the material used in preparing the annual indexes of earlier years had been preserved. A beginning has now been made with the publication of the present volumes, covering the years 1950 to 1954, which, it is hoped, will be of immediate value to readers, and will enable the demand for future volumes to be gauged. Whether these should be issued at intervals of five or ten years is a controversy which has not yet been settled, and the opinions of readers on this point are requested. The latter is the more orthodox period, but if the rapid progress and changes of emphasis in modern physical and electrical science are taken into account, it seems possible that ten years is too long to wait for a cumulative index, even if the increased size makes for easier consultation.

The entries in the Author Index have been arranged in the same way as in the annual indexes, all names beginning with articles or prepositions being listed as if written as single words, regardless of nationality; e.g. "Van Vleck" is listed as if written "Vanvleck". This system, though it introduces an occasional uncertainty of its own, avoids the great majority of those arising from the somewhat complicated rules based on nationality, which are probably known only to a few readers; wherever uncertainty as to the location of a name may arise, cross-references have been included. Compound names are generally listed under the last component, unless hyphenated; exceptions to this rule have also been cross-referenced.

Names printed in Cyrillic alphabets in the original documents have been transliterated according to the scheme recommended by the Royal Society, which is given on the next page. This scheme has been followed exactly in all cases, so that the original Cyrillic spelling can be reconstructed unambiguously; but it must be remembered that names of Western authors are usually transcribed into Cyrillic by a different (phonetic) system, so that when transliterated back into the Latin alphabet by the scheme used here the original name is not always reproduced exactly. Sometimes the difference is a trivial one; occasionally the name is unrecognisable. Wherever a Western name has been recognised with more than a trivial difference, a cross-reference has been included under the native spelling.

The numbers printed after the entries are the serial numbers of the abstracts, and the respective volumes are indicated by the initial number, giving the last digit of the *year*; thus "3=1234" means "Abstract 1234 of the 1953 volume"; "0=3456" means "Abstract 3456 of the 1950 volume".

Sundry errors in the previous indexes, discovered in the course of collation, have been corrected, but it is too much to be expected that in an index of this size no errors will remain; information of any which are detected by readers will be gratefully received. It remains to thank those responsible for the present volumes: Mr. G. Wooller-Jennings, who prepared and corrected the text, and the typists who so capably typed it in a form suitable for direct reproduction; and particularly Miss M. J. Cahill, but for whose vigilance in revising the previous annual indexes the errors would be far more numerous than they are.

B. M. CROWTHER
Editor

September, 1956

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